

Amendments to the Claims:

This listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): Sensor device on a feed pipeline carrying high voltage, comprising at least one sensor that is disposed on the pipeline and that provides a low-level output signal, and comprising an evaluation circuit to which the sensor output signals are applied, characterized in that at least one sensor is~~the sensors are~~ operated from a mains-voltage source via an electrical isolating stage and the at least one sensor is~~sensors are~~ connected to the evaluation circuit via an electrical isolating stage or wirelessly.
2. (original): Sensor device according to Claim 1, characterized in that a plurality of sensors is connected to the mains-voltage source and the evaluation circuit via the electrical isolating stages.
3. (currently amended): Sensor device according to Claim 1, characterized in that the electrical isolating stages are disposed in the vicinity of the at least one sensor~~[[sensors]]~~.
4. (original): Sensor device according to Claim 1, characterized in that at least one of the electrical isolating stages comprises a transformer.
5. (original): Sensor device according to Claim 1, characterized in that at least one of the isolating stages comprises an optocoupler unit.
6. (currently amended): Sensor device according to Claim 2, characterized in that the at least one sensor ~~sensors~~ each provide a data packet that comprises a sensor output signal and, preferably, also a sensor identifier, and in that the plurality of sensors is connected to a databus that is connected to one of the electrical isolating stages.

7. (new): Sensor device according to Claim 6, wherein the data packet further comprises a sensor identifier.
8. (new): Sensor device according to Claim 2, characterized in that the electrical isolating stages are disposed in the vicinity of the plurality of sensors.